

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/EP2004/012209

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B60G9/02 B60L11/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (Classification system followed by classification symbols) IPC 7 B60G B60L B60K A01B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data bases consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Description of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	DE 202 06 821 U (LIEBHERR WERK BIBERACH) 11 September 2003 (2003-09-11) figures page 5, paragraph 6 – page 7, paragraph 1	1,2,9-15
X	US 6 086 076 A (PREM HANS ET AL) 11 July 2000 (2000-07-11) column 3, lines 25-33; figures 1-8	1,2,9-15
A	US 5 947 855 A (WEISS HEINZ) 7 September 1999 (1999-09-07)	1
X	abstract; figures 1-3 column 2, lines 57-64 column 5, lines 18-22	14
A	8 DE 196 23 738 A (DEERE & CO) 18 December 1997 (1997-12-18)	1
X	cited in the application	14

	-/-	
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.		<input checked="" type="checkbox"/> Patent family members are listed in annex.
* Special categories of cited documents :		
'A' document containing the general state of the art which is not considered to be of particular relevance		
'E' earlier document but published on or after the international filing date		
'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		
'O' document referring to an oral disclosure, use, exhibition or other means		
'P' document published prior to the international filing date but later than the priority date claimed		
'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
'X' document of particular relevance, the claimed invention cannot be considered valid or cannot be considered to involve an inventive step when the document is taken alone		
'Y' document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art		
Date of the technical completion of the international search 6 January 2005		Date of mailing of the international search report 21/01/2005
Name and mailing address of the ISA European Patent Office, P.O. Box 5810 Pekelaan 2 NL - 2230 HV Rijswijk Tel: (+31-70) 340-2040, Fax: (+31-70) 340-3016		Authorized office: Schultze, Y

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/EP2004/012209

C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 41 08 647 A (DEERE & CO) 17 September 1992 (1992-09-17)	1
X	abstract; figures -----	14
A	US 6 502 840 B1 (NAGORCKA JAMES ARTHUR ET AL) 7 January 2003 (2003-01-07)	1
X	abstract; figures -----	13
A	EP 1 103 569 A (DANA ITALIA S P A) 20 June 2001 (2001-06-20)	1
X	abstract; figures -----	13
A	DE 26 05 722 A (STILL GMBH) 25 August 1977 (1977-08-25)	1
	figure 1 -----	

Form PCT/ISA/210 (continuation of record sheet 3 January 2004)

BEST AVAILABLE COPY

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.
PCT/EP2004/012209

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
DE 20206821	U	11-09-2003		DE 20206821 U1 EP 1359032 A2 US 2004036245 A1 ZA 200303287 A		11-09-2003 05-11-2003 26-02-2004 13-02-2004
US 6086076	A	11-07-2000		AU 717749 B2 AU 5096596 A BR 9607876 A DE 69624802 D1 DE 69624802 T2 EP 0814964 A1 JP 11502481 T WO 9630223 A1 CA 2216541 A1 CN 1185132 A ,B ES 2186773 T3 RU 2218280 C2 ZA 9602542 A		30-03-2000 16-10-1996 30-11-1999 19-12-2002 18-06-2003 07-01-1998 02-03-1999 03-10-1996 03-10-1996 17-06-1998 16-05-2003 10-12-2003 18-11-1996
US 5947855	A	07-09-1999		DE 19623738 A1 AT 211081 T DE 59705847 D1 EP 0812720 A1		18-12-1997 15-01-2002 31-01-2002 17-12-1997
DE 19623738	A	18-12-1997		DE 19623738 A1 AT 211081 T DE 59705847 D1 EP 0812720 A1 US 5947855 A		18-12-1997 15-01-2002 31-01-2002 17-12-1997 07-09-1999
DE 4108647	A	17-09-1992		DE 4108647 A1		17-09-1992
US 6502840	B1	07-01-2003		BR 0204105 A EP 1302342 A2 JP 2003146041 A		16-09-2003 16-04-2003 21-05-2003
EP 1108569	A	20-06-2001		IT MI992586 A1 EP 1108569 A2		14-06-2001 20-06-2001
DE 2605722	A	25-08-1977		DE 2605722 A1		25-08-1977